

Table S1: Mouse primer sequences used for PCR analysis

Gene	Forward primer (5' to 3')	Reverse primer (5' to 3')
MOUSE		
mouse GAPDH	AGGTCGGTGTGAACGGATTG	TGTAGACCATGTAGTTGAGGTCA
mouse Dopachrome Tautomerase	CTAACCGCAGAGCAACTTGG	CAAGAGCAAGACGAAAGCTCC
mouse Nanog	TTGCTTACAAGGGTCTGCTACT	ACTGGTAGAAGAATCAGGGCT
mouse Tyrosinase	AGTTTACCCAGAACCCAATGC	CGACTGGCCTTGTCCAAGT
mouse Klf4 (endogenous)	AACATGCCCGGACTTACAAA	TTCAAGGGAATCCTGGTCTTC
mouse c-Myc (endogenous)	TAACTCGAGGAGGGAGCTGGA	GCCAAGGTTGTGAGGTTAGG
mouse Oct4 (endogenous)	TAGGTGAGCCGTCTTCCAC	GCTTAGCCAGGTTCGAGGAT
mouse Sox2 (endogenous)	TTAACGCAAAACCGTGATG	GAAGCGCCTAACGTACCACT
<hr/>		
c-Myc (lentiviral)	AAGAGGACTTGTGCGGAAA	TTGTAATCCAGAGGTTGATTATCG
mouse Klf4 (lentiviral)	ATGGTCAAGTTCCCAGCAAG	TGATATCGAATTCCGTTGTT
mouse Oct4 (lentiviral)	GCTCGTTAGTGAACCGTCAG	CGAAGTCTGAAGCCAGGTGT
mouse Sox2 (lentiviral)	GGCCATTAACGGCACACT	AAGCAGCGTATCCACATAGC
mouse Sox2 (retroviral)	CCCATGGTGGTGGTACGGGAATT	TCTCGGTCTCGGACAAAAGT
mouse Klf4 (retroviral)	CCCATGGTGGTGGTACGGGAATT	GTCGTTGAACTCCTCGGTCT
mouse Oct4 (retroviral)	CCCATGGTGGTGGTACGGGAATT	AGTGCTTCCACTCGTGCT
c-Myc (retroviral)	CTCCTGGCAAAAGGTAGAG	TCGGTTGTTGCTGATCTGTC
<hr/>		
HUMAN		
human GAPDH	TGTTGCCATCAATGACCCCTT	CTCCACGACGTACTCAGCG

human Dopachrome Tautomerase	AAAATTCTCCACCGGACCT	CCGAATCACTGGTGGTTCT
human Nanog	CAGTCTGGACACTGGCTGAA	CTCGCTGATTAGGCTCCAAC
human Tyrosinase	TTGTACTGCCTGCTGTGGAG	CAGGAACCTCTGCCTGAAAG
human Klf4 (endogenous)	TATGACCCACACTGCCAGAA	TGGGAACTTGACCATGATTG
human c-Myc (endogenous)	CGGAACCTTTGTGCGTAAGG	CTCAGCCAAGGTTGTGAGGT
human Oct4 (endogenous)	TGTACTCCTCGGTCCCTTC	TCCAGGTTTCTTCCTAGC
human Sox2 (endogenous)	GCTAGTCTCCAAGCGACGAA	GCAAGAAGCCTCTCCTGAA
<hr/>		
human c-Myc (lentiviral)	AAGAGGACTTGTGCGGAAA	TTGTAATCCAGAGGTTGATTATCG
human Klf4 (lentiviral)	GACCACCTCGCCTTACACAT	CATAGCGTAAAAGGAGCAACA
human Oct4 (lentiviral)	CCCCTGTCTCTGTCACCACT	CCACATAGCGTAAAAGGAGCA
human Sox2 (lentiviral)	ACACTGCCCTCTCACACAT	CATAGCGTAAAAGGAGCAACA